

REMARKS

Claims 1-13 are pending. Claims 1 and 11-13 have been amended. Claims 2-6, 8, and 9 are original. Claims 7 and 10 have been previously presented. No new matter has been introduced by this amendment.

1. Claim Rejections under 35 U.S.C. § 102

Claims 1-13 have been rejected under 35 U.S.C. § 102(b) over Huang (U.S. Pat. Pub. No. 2002/0136978), or under 35 U.S.C. § 102(e) over corresponding issued U.S. Pat. No. 6,855,501. The Applicants respectfully traverse these rejections based on the following remarks.

As discussed in the response filed September 26, 2008, Huang does not disclose the asserted support, conductive layer, dielectric layer, and chemically functional layer as being part of the same substrate, as required by independent claim 1. Huang also does not disclose the asserted support, conductive layer, photoconductive layer, and chemically functional layer as being part of the same substrate, as required by independent claims 11-13.

In contrast, the substrate adapted for selective micron and nanometer scale deposition as recited in amended independent claim 1 has a support; a conductive layer on the support; a dielectric layer of a material which will hold an electrostatic charge, the dielectric layer disposed on the conductive layer; and a chemically functional layer on the dielectric layer. The substrate as recited in amended independent claim 11 has a support; a conductive layer on the support; a photoconductive layer of a material which is adapted to have an electrostatic charge thereon selectively dissipated upon receiving incident radiation, the photoconductive layer disposed on the conductive layer; and a chemically functional layer on the photoconductive layer. The substrate adapted for manufacture of DNA arrays as recited in amended independent claim 12 has a support; a conductive layer on the support; a photoconductive layer of a material which is adapted to an electrostatic charge thereon dissipated upon receiving incident radiation, the photoconductive layer disposed on the conductive layer; and a chemically functional

layer on the photoconductive layer. The substrate adapted for manufacture of DNA arrays as recited in amended independent claim 13 has a support; a conductive layer on the support; a photoconductive layer of a material which is adapted to an electrostatic charge thereon selectively dissipated upon receiving incident radiation, the photoconductive layer disposed on the conductive layer; and a chemically functional layer on the photoconductive layer.

In view of the above remarks and the remarks in the September 26, 2008 response, the Applicants respectfully submit that Huang does not teach or suggest all the claim limitations as recited in amended independent claims 1 and 11-13. Accordingly, the rejections against amended independent claim 1 and 11-13, and thus the rejections against claims 2-10, which all depend from amended independent claim 1, have been overcome and should be withdrawn.

2. Conclusion

Based on the above remarks, the Applicants respectfully submit that the claims are in condition for allowance. The examiner is kindly invited to contact the undersigned agent to expedite allowance.

Respectfully submitted,

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